

Endeavor Data Summary Cruise 6/22/2010

Review Date 6/23/2010

Summary:

The Endeavor completed 2 CTD casts at 2 stations (EN09, EN10) on 6/22/2010. Both sample locations were located in the exclusion zone. Water samples were collected for analysis of TPH and VOCs. Samples were successfully picked up on 6/22/2010, which meant scientific operations were paused.

Science results and preliminary interpretation:

Samples collected at the two stations ranged in depth from approximately 14.5 m to 1500 m. No samples were taken for LISST or Rototox analysis. Twenty-six (26) samples were taken for TPH and twenty-six (26) samples were taken for VOC analysis, including duplicates.

Two CTD plots were included with the Endeavor's daily report. Station EN09 showed a spike in fluorescence at 900 m, with an associated drop in dissolved oxygen. The CTD plot for Station EN10 indicated a plume at approximately 800 m and a plume at 1150-1200 m. A decrease in dissolved oxygen at 1140-1200 m is correlated to the deeper plume at 1150-1200 m.

Problems/operational issues:

During sample pick-up, the Endeavor was informed that the sample nomenclature system that they have been using is incorrect. No resolution to this issue was provided in the daily report.

Planned activities for next 24 hours:

A sentry mission is being planned for later tonight (6/22/2010).